

Abstract

A container for holding powdered reagents that interact with water to form an anti-microbial fluid for use in an apparatus for cleaning and microbially deactivating items. The container includes a fluid inlet connectable to a source of water on an apparatus for cleaning and microbially deactivating items and a fluid outlet in fluid communication with items to be microbially deactivated. A continuous fluid passage is defined through the container between the fluid inlet and the fluid outlet. A plurality of spaced-apart barrier elements are disposed within the fluid passage to define a plurality of isolated compartments within the container. The barrier elements are impervious to powdered reagents, but permeable to the chemical reagents when dissolved in a liquid. A first dry, powdered reagent is disposed within one of the compartments for forming an anti-microbial solution when water flows through the container.